

600470 "The Socio"

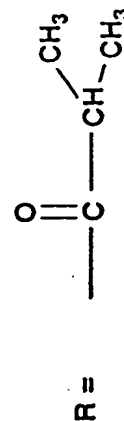
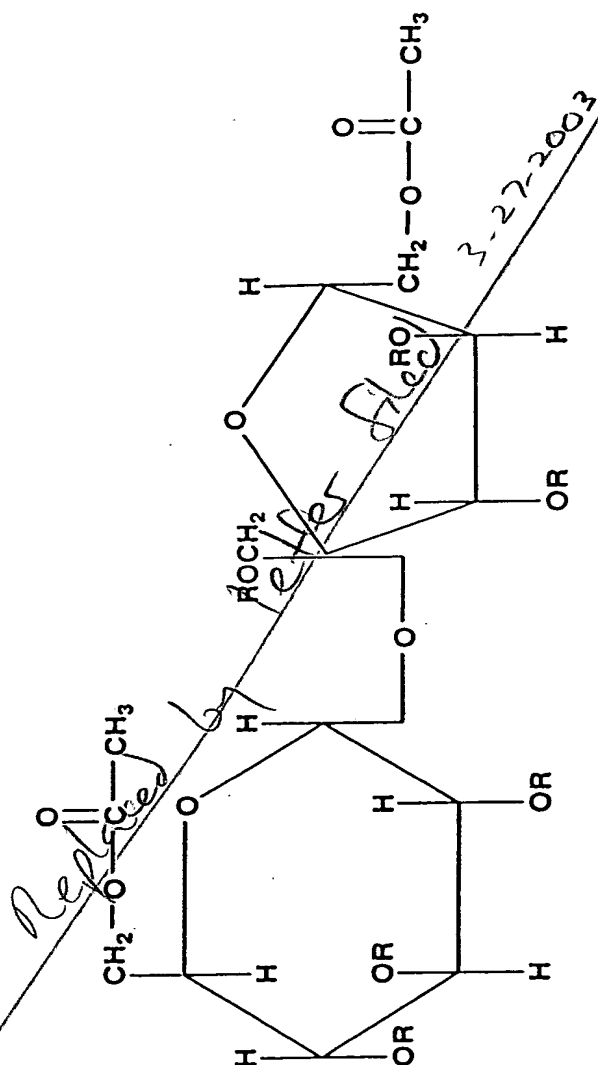
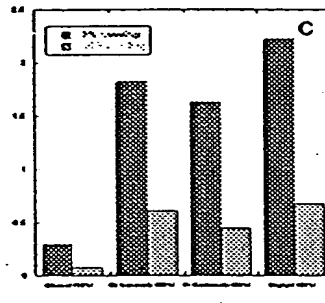
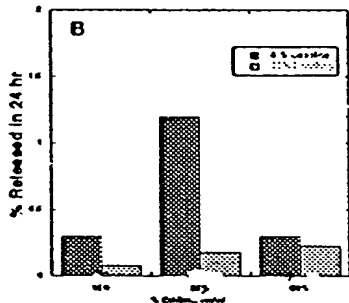
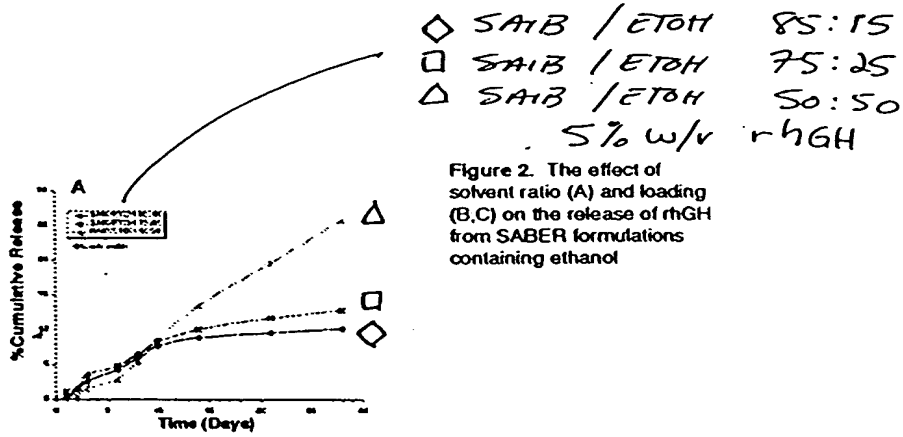


Figure 1



15%
 25%
 50%
 70% Ethanol (w/w)

ETHANOL
 Benzoin (30%)
 Pr carbonate (30%)
 M glycol (50%)

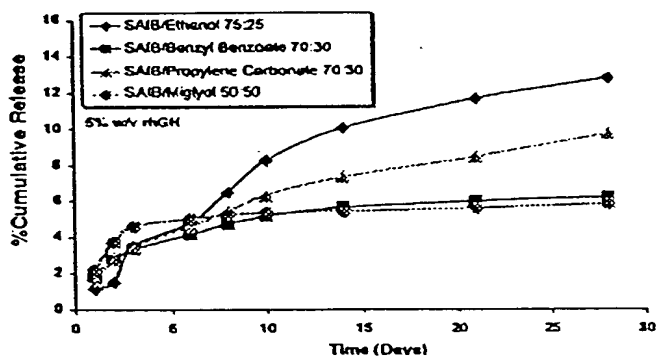
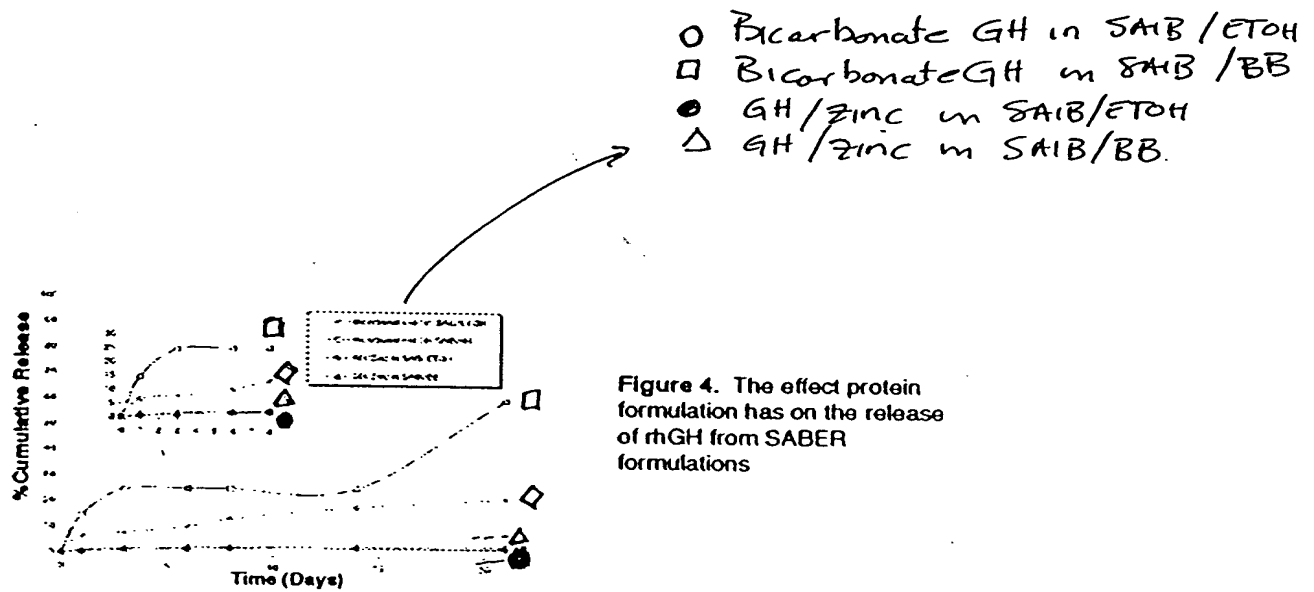


Figure 3. The effect solvent on the release of rhGH from SABER formulations



SAIB:Solvent	Growth Hormone Formulation	% Release over 24 hours	% Daily Release 0-21 days
Ethanol (85:15)	Zinc	0.53	0.10
Ethanol (85:15)	Bicarbonate	6.53	0.73
Benzyl Benzoate (70:30)	Zinc	1.06	0.12
Benzyl Benzoate (70:30)	Bicarbonate	14.64	2.16

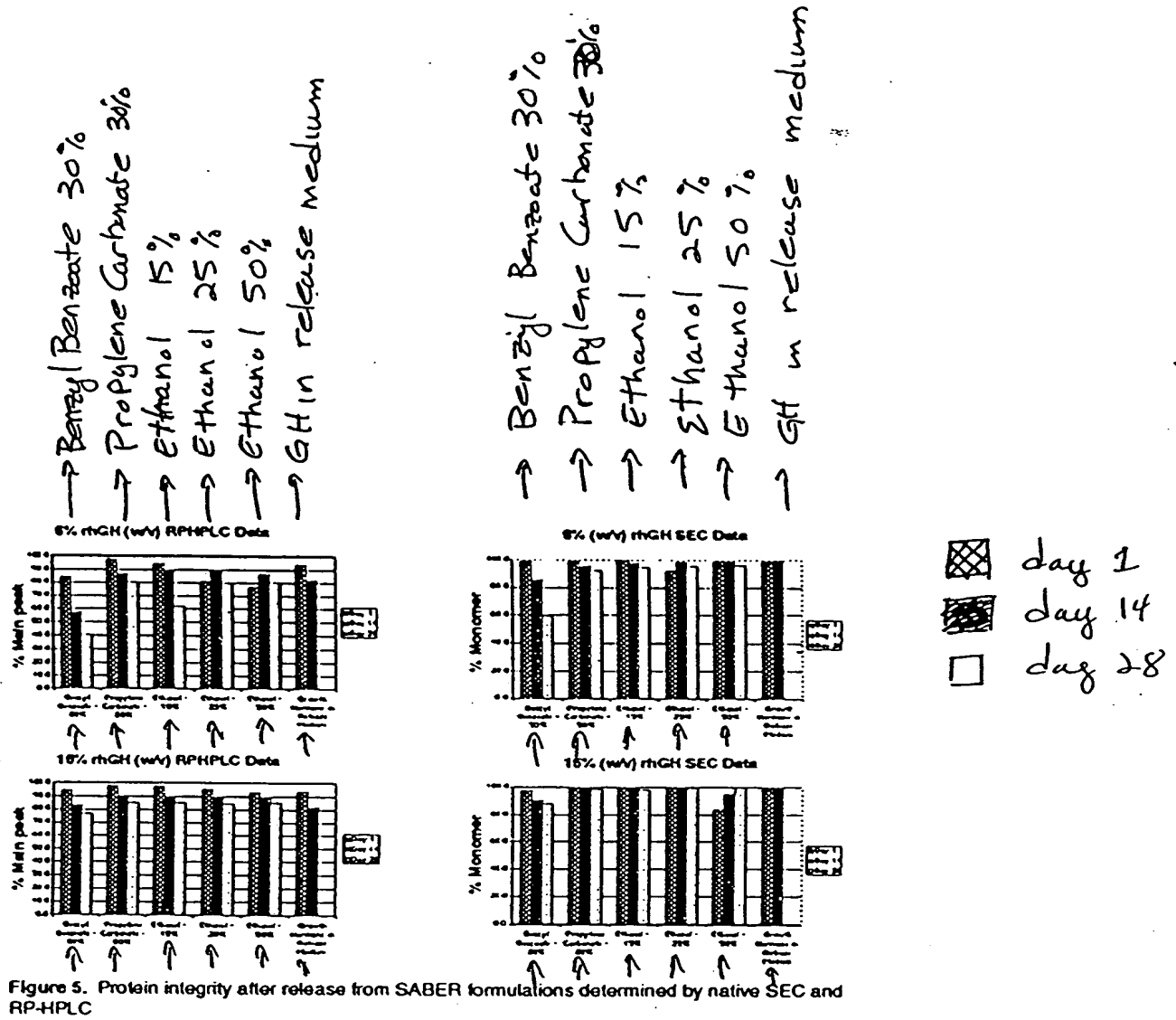


Figure 5. Protein integrity after release from SABER formulations determined by native SEC and RP-HPLC

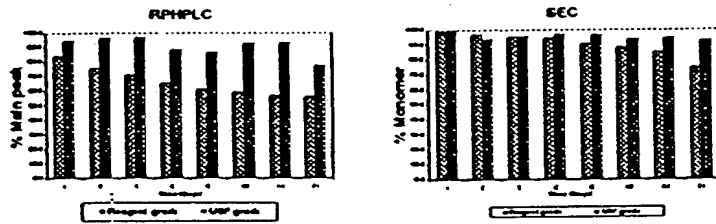


Figure 6. Effect of solvent quality on stability of rhGH released from SABER formulations containing reagent and USP grade benzyl benzoate

 Reagent grade
 USP grade

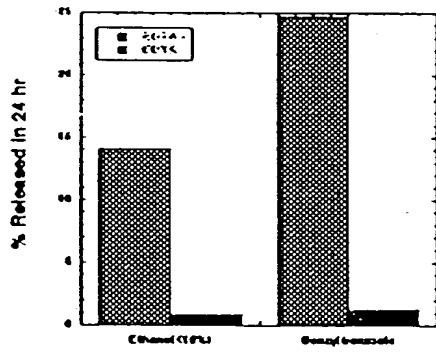


Figure 7. The effect a chelating agent (EDTA) has on the release of zinc complexed rhGH from SABER formulations

ETHANOL(5%) Benzyl benzoate



EDTA +



EDTA -

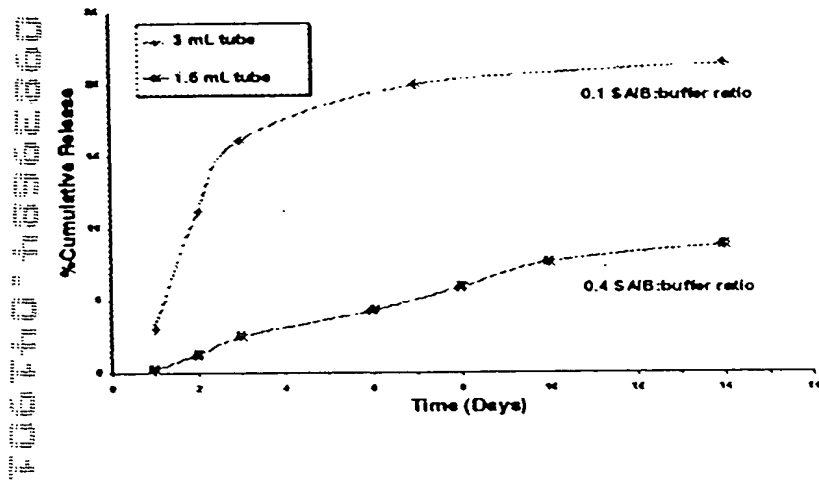


Figure 8. The effect buffer exposed surface area and SABER:buffer ratio have on the release rhGH from SABER formulations

- PLGA microspheres
- Benzyl benzoate (30%)
- ▲ Benzyl alcohol (30%)

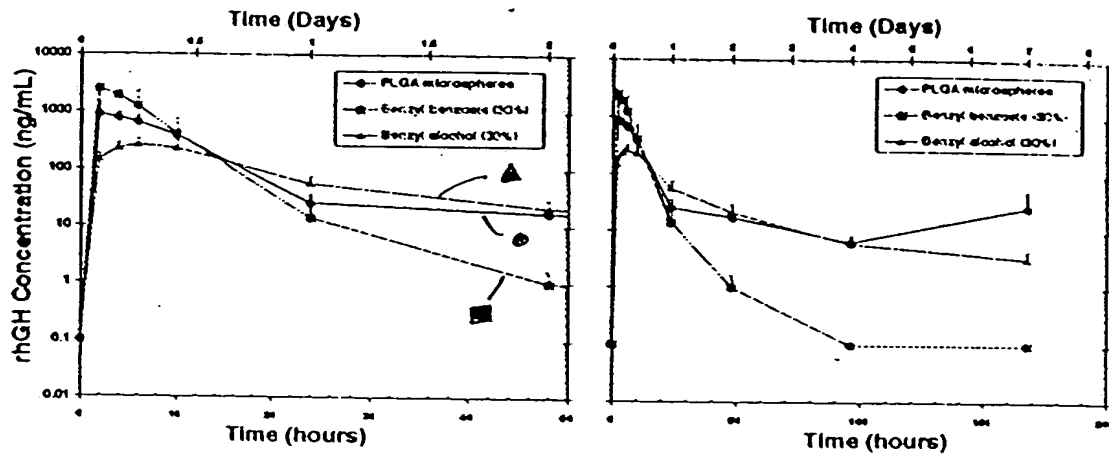


Figure 9. rhGH serum levels after SC administration of rhGH SABER formulations (SD rats, 6/group, 15 mg/Kg)